

What is claimed is:

1. A folding portable cellular phone comprising:  
a first box member including a receiver; and  
a second box member including a transmitter,  
wherein said first box member and said second box  
5 member are rotated relative to each other at a hinge for  
folding said portable cellular phone, and

wherein parts other than those made of metal are  
employed as external parts for said first box member and  
said second box member, and

10 wherein chassis respectively made of a metal part  
and including an integrally formed hinge constitute  
skeletons of said first box member and said second box  
member.

2. The folding portable cellular phone according to  
Claim 1, wherein said metal part is made of one of  
magnesium and an aluminum alloy.

3. The folding portable cellular phone according to  
Claim 1, said chassis supports a substrate on which  
electric parts are mounted.

4. The folding portable cellular phone according to  
Claim 1, wherein said chassis functions as an  
electromagnetic absorption member and absorbs an unwanted

electromagnetic wave.

5. The folding portable cellular phone according to Claim 1, wherein said chassis is used as an antenna ground plate, and a hole formed in said antenna ground plate is used to mount an antenna on a substrate.

6. The folding portable cellular phone according to Claim 1, wherein a unit connector is provided between portions of said hinges of said chassis in order to electrically connect said first box member and said second box member.

7. The folding portable cellular phone according to Claim 6, wherein said unit connector includes a flexible substrate and a coaxial cable.

8. The folding portable cellular phone according to Claim 1, wherein hinge covers made of the same material as said external parts are provided with said first box member and said second box member in order to cover said hinges.

9. A folding portable cellular phone comprising:  
a first box member including a receiver; and  
a second box member including a transmitter,  
wherein said first box member and said second box

5 member are rotated relative to each other at a hinge for  
folding said portable cellular phone, and

wherein at least one hinge of said first box member  
and said second box member includes a reinforcing part that  
is stronger than external parts and that reinforces said  
10 external parts.

10. The folding portable cellular phone according to  
Claim 9,

wherein said external parts are at least one of an  
upper cover of said first box member and a lower cover of  
5 said second box member, and

wherein said reinforcing parts are an upper hinge  
frame and a lower hinge frame, respectively including a  
hinge portion provided for one of said first member and  
said second box member.

11. The folding portable cellular phone according to  
Claim 10, wherein said upper hinge frame and said lower  
hinge frame are inserted into said external parts.

12. The folding portable cellular phone according to  
Claim 10, wherein said upper hinge frame and said lower  
hinge frame are integrally formed with a chassis that  
supports a substrate.

13. The folding portable cellular phone according to Claim 12, wherein said chassis functions as an electromagnetic wave absorption member for absorbing an unwanted electromagnetic wave.

14. The folding portable cellular phone according to Claim 12, wherein a rib is formed on said chassis in order to prevent leakage of light at a portion in which said external parts engage.

15. The folding portable cellular phone according to claim 12, wherein a rib is formed around said chassis to reinforce said external parts constituting said box members.

16. The folding portable cellular phone according to claim 10, wherein one of said upper hinge frame and said lower hinge frame is fixed to said external part with one of a screw and a pawl.

17. The folding portable cellular phone according to Claim 10, wherein one of said upper hinge frame and said lower hinge frame is an independent part and is securely attached to a chassis that supports a substrate, and said  
5 chassis is fixed to said external part with one of a screw and a pawl.

18. The folding portable cellular phone according to Claim 10, wherein only one hinged portion is formed for said upper hinge frame and for said lower hinge frame.

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